

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Canceled)
2. (Currently Amended) The system of claim 12, wherein the remote server is adapted configured to cause transmission of a decryption key to the requesting user, the decryption key being necessary to decrypt the video program in the second encrypted form.
3. (Previously Presented) The system of claim 12, the video program in the second encrypted form is encrypted according to a public key associated with the requesting user, the public key having an associated private key necessary to decrypt the video program in the second encrypted form.
4. (Previously Presented) The system of claim 12, wherein the video program in the second encrypted form is encrypted according to a private key associated with the requesting user, the private key having an associated public key necessary to decrypt the video program in the second encrypted form.
5. (Previously Presented) The system of claim 12, wherein the video program in the second encrypted form is encrypted according to a public key, the public key having an associated private key necessary to decrypt the video program in the second encrypted form, the system further comprising:
the remote server transmitting the private key to the requesting user.
6. (Previously Presented) The system of claim 5, wherein the private key is encrypted prior to transmission to the requesting user.
7. (Currently Amended) The system of claim 12, wherein the remote server is adapted configured to transmit the video program in the second encrypted form to the requesting user via

a first communications channel and is ~~adapted~~ configured to transmit a decryption key to the requesting user via a second communications channel.

8. (Previously Presented) The system of claim 12, wherein the video program in the second encrypted form is encrypted according to a Data Encryption Standard (DES).

9. (Currently Amended) The system of claim 12, wherein the remote server is ~~adapted~~ configured to multiplex the video program in the second encrypted form and other signals to create a multiplexed signal for transmission to the requesting user.

10. (Currently Amended) The system of claim 12, ~~further comprising the at least one programming source,~~ wherein the at least one programming source comprises ~~at least one of a television broadcasting source, a premium broadcast source, and a video-on-demand source.~~

11. (Canceled)

12. (Currently Amended) ~~An interactive information distribution~~ A system comprising:

a distribution center of a content provider comprising a remote server;

the remote server configured to:

store in storage a video program encrypted in a first encrypted form received from one of at least one programming source which is located remote from the remote server,

receive a user request from a user device,

~~the remote server configured to~~ in response to receiving the user request, retrieve the video program encrypted in the first encrypted form from the storage and process the video program encrypted in the first encrypted form ~~responsive to a user request~~ to produce a decrypted video program,

~~the remote server configured to~~ process the decrypted video program to produce a video program in a second encrypted form[[;]], and

~~the remote server configured to transmit the video program in the second encrypted form to the requesting user device using a distribution network of the content provider.~~

13. (Currently Amended) ~~An interactive information distribution A system having at least one programming source,~~ comprising:

a distribution center of a content provider comprising a remote server, ~~the remote server configured to:~~[[;]]

~~the remote server configured to process a video program encrypted in the first encrypted form received from one of at least one programming source, which is located remote from the remote server, to produce a decrypted video program,~~

~~the remote server configured to process the decrypted video program to produce a video program in a second encrypted form[; and]],~~

~~the remote server storing~~ store the video program encrypted in the second encrypted form in storage,

receive a user request, and

~~the remote server, in response to a user request, configured to retrieve the video program in the second encrypted form from storage and configured to transmit the video program in the second encrypted form to the requesting user device using a distribution network of the content provider.~~

14. (Currently Amended) The system of claim 13, wherein the remote server is adapted configured to cause transmission of a decryption key to the requesting user device, the decryption key being necessary to decrypt the video program in the second encrypted form.

15. (Currently Amended) The system of claim 13, wherein the video program in the second encrypted form is encrypted according to a public key, the public key having associated with it a private key necessary to decrypt the video program in the second encrypted form, the system further comprising:

~~the remote server transmitting the private key to the requesting user device.~~

16. (Currently Amended) The system of claim 15, wherein the private key is encrypted prior to transmission to the requesting user device.

17. (Currently Amended) The system of claim 13, wherein the remote server is adapted configured to transmit the video program in the second encrypted form to the requesting user device via a first communications channel and adapted configured to transmit a decryption key to the requesting user device via a second communications channel.

18. (Previously Presented) The system of claim 13, wherein the video program in the second encrypted form is encrypted according to a Data Encryption Standard (DES).

19. (Currently Amended) The system of claim 13, wherein the remote server is adapted configured to multiplex the video program in the second encrypted form and other signals to create a multiplexed signal for transmission to the requesting user device.

20. (Currently Amended) The system of claim 13, ~~further comprising the at least one programming source~~, wherein the at least one programming source comprises ~~at least one of a television broadcasting source, a premium broadcast source, and a video-on-demand source~~.

21. (New) The system of claim 10, wherein the video program encrypted in the first encrypted form is a video-on demand program encrypted in the first encrypted form, the user request is requesting the video-on demand program, and the distribution center is located at a location of the content provider.

22. (New) A method, comprising:

processing, by a remote server of a distribution center of a content provider, a video program encrypted in the first encrypted form received from one of at least one programming source, which is located remote from the remote server, to produce a decrypted video program;

processing, by the remote server, the decrypted video program to produce a video program in a second encrypted form;

storing, by the remote server, the video program encrypted in the second encrypted form in storage;

receiving, by the remote server, a user request; and

in response to the user request, retrieving, by the remote server, the video program in the second encrypted form from storage and transmitting the video program in the second encrypted form to the user device using a distribution network of the content provider.